MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1955

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

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DECEMBER 1955
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	67.1	66.0	66.7	66.6	17.9	13.8	16.1	17.5	15.1	16.2
2	67.2	65.7	66.6	66.5	18.1	13.3	15.2	17.2	16.4	16 3
3	68.2	68.1	69.2	68.5	14.9	10.7	13.8	14.3	11.9	13.3
4	67.6	65.8	65.2	66.2	16.0	12.8	12.8	15.3	13.7	13.9
5	62.7	61.5	62.5	62.2	17.2	12.2	16.7	15.6	12.8	15.0
6	61.1	57.1	55.3	57.8	16.6	9.5	13.2	16.1	12.9	14.1
7	55.2	56.0	59.4	56.9	14.8	11.3	10.4	14.1	11.7	12.1
8	62.8	63.1	64.4	63.4	16.6	13.3	14.1	15.6	13.8	14.5
9	65.0	62.9	62.7	63.5	18.3	15.2	14.7	16.7	16.1	15.8
10	60.1	58.3	59.0	59.1	19.4	14.8	17.2	18.2	17.2	17.5
11	59.6	59.0	60.4	59.7	18.8	14.2	15.9	18.1	16.8	16.9
12	62.2	61.6	63.1	62.3	19.0	13.6	15.3	18.3	15.8	16.5
13	62.7	60.5	60.8	61.3	17.2	12.0	14.2	17.1	14.2	15.2
14	60.0	59.2	59.9	59.7	17.3	13.9	14.9	16.6	15.0	15.5
15	60.8	60.4	61.9	61.0	16.7	12.2	14.2	16.4	13.9	14.8
16	63.9	63.3	64.2	63.8	17.4	12.8	14.3	15.7	13.3	14.4
17	61.5	58.9	58.4	59.6	17.2	14.6	15.7	16.4	16.9	16.3
18	60.4	60.7	61.7	60.9	20.0	16.3	15.9	19.2	16.8	17.3
19	64.0	64.4	65.9	64.8	20.1	15.1	18.3	19.6	16.9	18.3
20	65.0	63.3	63.4	63.9	19.3	15.3	16.4	18.6	16.7	17.2
21	62.5	61.4	61.5	61.8	20.2	16.2	16.7	19.7	18.4	18.3
22	61.6	59.9	59.9	60.5	20.6	17.2	17.8	20.2	18.9	19.0
23	60.8	60.7	60.2	60.6	20.9	16.9	18.8	20.2	17.7	18.9
24	57.8	55.1	54.8	55.9	20.0	13.4	18.3	19.7	19.4	19.1
25	55.6	54.9	55 7	55.4	19.5	11.3	15.6	17.8	11.9	15.1
26	57.1	59.8	61.6	59.5	18.6	13.6	15.4	17.1	16.0	16.2
27	62.0	60.0	58.6	60.2	18.4	11.9	15.3	17.5	16.1	16.3
28	57.7	57.5	68.3	57.8	16.4	11.9	12.3	12.1	13.9	12.8
29	58.2	56·7	56.8	57.2	16.9	12.1	12.8	16.1	14.2	144.
30	57.6	58.2	60.9	58.9	16.5	12.3	14.4	15.6	12.8	14.3
31	64.3	65.0	66.5	65.3	17.6	13.0	15.0	16.8	14.9	15.6
	61.69	60.80	61.47	61.32	18.01	13.44	15.22	17.08	15.23	15.84

Barometer, range for month 769.2 mm. — 754.8 mm.
„ 71-yr. average for month 763.23 mm.
Thermometer, range for month 20.9°C — 9.5°C
„ 71-yr. average for month 15.99°C
Rain total for month 219.20 mm.
„ 71-yrs average for month 185.45 mm.
„ Total, Sept. 1st. to end of month 399.28 mm.
„ 71-yrs. average. Sept. 1st. to end of month 374.27 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.6	11.7	8.3	10.2	57	61	50	56	7.7	327.0	
2	8.3	11.2	10.6	10.0	50	56	60	55	9.3	663 0	
3	9.2	8.7	6.2	8.0	57	53	47	52	8.7	673.0	
4	7.0	8.3	8.3	7.9	46	50	52	49	9.3	373.0	
5	12.1	14.0	13.8	13.3	65	79	93	79	5.4	509.0	7.12
6	14.3	12.1	12.4	12.9	94	65	84	81	0.7	734.0	30.23
7	9.6	9.2	9.2	9.3	76	60	68	68	5.8	478.0	29.21
8	9.6	12.1	11.5	11.1	63	69	72	68	2.3	330.0	
9	13.9	10.7	10.2	11.6	85	56	54	65	1.8	549.0	0.51
10	9.3	12.3	12.2	11.3	47	59	62	56	0.7	565.0	0.25
11	12.1	12.3	12.1	12.2	67	61	66	65	1.6	620.0	0.25
12	15.0	16.0	13.5	14.8	88	75	77	80	3.6	492.0	10.16
13	14.9	13.7	13.9	14.2	94	70	89	84	0.9	467.0	35.81
14	12.0	13.1	13.0	12.7	70	70	76	72	2.4	592.0	21.85
15	12.9	13.6	12.9	13.1	83	75	82	80	1.4	529.0	4.07
16	11.5	13.0	13.4	12.6	70	74	88	77	3.5	555.0	12.45
17	12.5	14.7	16 1	14.4	72	77	92	80	0.0	929.0	14.73
18	14.1	17.2	16.3	15 9	75	80	86	80	7.7	425.0	0.25
19	17.6	17.3	15.2	16.7	85	78	82	82	6.7	175.0	0.25
20	14.1	16.0	14.7	14.9	76	76	78	77	9.1	214.0	
21	10.7	17.3	11.8	13.3	56	78	57	64	8.5	183.0	
22	17.0	17.4	19.5	18.0	82	74	89	82	9.0	269.0	
23	16.7	18.6	16.4	17.2	76	79	81	79	4.6	193.0	
24	14.9	15.6	8.0	12.8	70	70	36	59	1.2	404.0	
25	12.5	11.8	12.3	12.2	71	58	91	73	2.8	348.0	8.39
26	12.1	14.2	13.1	13.1	69	71	72	71	7.1	253.0	1.27
27	11.5	13.7	13.1	12.8	69	71	71	70	7.6	278.0	
28	12.3	11.9	11.0	11.7	87	85	70	81	0.3	629.0	24.63
29	13.8	11.6	9.6	11.7	94	63	63	73	0.6	428.0	10.92
30	10.6	13.0	12.4	12.0	64	73	85	74	5.5	472.0	6.35
31	12.0	14.2	14.0	13.4	70	75	82	76	3.2	309.0	0.50
	12.44	13.44	12.42	12.75	71.9	69.1	72.7	71.2	4.48	450.48	7.07

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9ci-st	3cu-st	6cu-st	6.0	1se	1w	1 se	light	
2	2cu-st	1cu	10cu-st	4.3	1se	2ne	2ne	,,	
3	1cu	5cu-st	0	2.0	2ne	3ne	1se	,,	
4	0	0	0	0.0	1e	1nw	1se	,,	
5	10cu-st	10st	10st	10.0	1sw	1sw	1s	,,	
6	10st	10st-ci	10st	10.0	1sw	2sw	1sw	light	
7	10st	10ci	10ci	10.0	1s	3sw	1sw	mod.	
8	10ci-st	9st	0	6.3	1s	1sw	1s	light	
9	10st	10st	10st	10.0	1se	3sw	1sw	,,	Tr.p.m
10	10st	10st	10st	10.0	1sw	2sw	1sw	,,	
11	10st	9ci-st	7st	8.7	1s	2sw	1sw	light	
12	6cu-st	10cu-st	10st	8.7	1s	1sw	1sw	,,	
13	10st	10st-ci	10st	10.0	1s	1sw	1sw	,,	T.p.m
14	9cu-st	10st	8st	9.0	1s	1sw	1sw	,,	
15	10st	10cu-st	6st	8.7	1sw	1sw	1sw	,,	
16	10st	7cu-st	10st	9.0	1s	1s	1s	light	
17	10st	10st	10st	10.0	2sw	3sw	3sw	slight	
18	4cu-ci	5cu	4st	4.3	1sw	2sw	1sw	light	
19	10cu-st	7cu-st	0	5.7	1w	1w	1e	,,	D. p.m.
20	0	0	0	0.0	1e	1ne	1ne	,,	D. a.m. p.m.
21	3ci	6ci	0	3.0	1se	1ne	1w	light	D. a.m.p.m.
22	0	3ci	0	1.0	1e	1ne	1sw	,,	D. a.m.p.m.
23	10ci-st	10ci-st	10ci-st	10.0	1sw	0	1ne	,,	D. a.m p.m.
24	10ci-st	10ci-st	10st	10.0	1e	1ne	1sw	,,	D. a.m
25	9ci-st	8cu-st	0	5.7	1sw	1sw	1sw	,,	
26	1st	2cu-st	10st	4.3	1ne	1ne	1s	light	
27	9ci-st	10cu-ci	0	6.3	1e	1ne	1ne	,,	D. a.m. p.m.
28	10st	10st	10st	10.0	1se	1se	1sw	,,	
29	10st	10st	10st	10.0	1sw	1sw	1sw	,,	
30	9ci-st	9cu-st	8cu-st	8.7	1s	1sw	1s	,,	
31	9ci-st	10cu-st	6cu-st	8.3	1s	1s	1sw	,,	
	mean			7.10					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	2	5	5	9	9	1	0	0	31
14:30	0	8	0	1	2	16	2	1	1	31
20:30	0	4	1	3	5	17	1	0	0	31
Total	0	14	6	9	16	42	4	1	1	93

Number of days with rain 20, fog 0, thunderstorms 1, gale. 0

71 yr. av. number of days with rain during month 13.4